



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.: **PTQ-0038**

Inventors: **Van Eyk and Arrell**

Serial No.: **09/942,498**

Filing Date: **August 30, 2001**

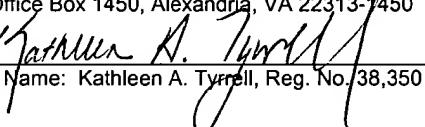
Examiner: **Ruth A. Davis**

Group Art Unit: **1614**

Title: **Methods and Compositions Relating to Phosphorylated Myosin Light Chain 1**

"Express Mail" Label No. **EV361212735US**  
Date of Deposit January 20, 2004

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents Post Office Box 1450, Alexandria, VA 22313-1450

By   
Typed Name: Kathleen A. Tyrrell, Reg. No. 38,350

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56 (b).

**(XX)** In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified

application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, or before the mailing date of a first Office Action on the merits of the above-identified application, no additional fee is required.

( ) In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, therefore:

( ) Certification in Accordance with §1.97(e) is attached hereto; or

( ) The fee of \$180.00 as set forth in §1.17(p) is attached.

( ) In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before the payment of the Issue Fee, therefore included are: Certification in Accordance with §1.97(e); Petition Requesting Consideration of the Information Disclosure Statement; and the fee of \$130.00 as set forth in §1.17(I)(1).

(xx) Copies of each of the references listed on the attached Form PTO-1449 (modified) are enclosed herewith.

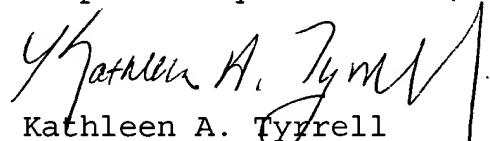
( ) In accordance with §1.98(d), copies of some or all of the references listed on the attached Form PTO-1449 (modified) are not enclosed herewith because they were previously submitted to the U.S. Patent and Trademark Office in prior application Serial No. \_\_\_\_\_, filed \_\_\_\_\_, for which a claim for priority under 35 U.S.C. §120 has been made in the instant application.

Please charge any deficiency or credit any overpayment to Deposit Account No. 50-1619. This form is submitted in duplicate.

( ) The relevance of the listed references in a foreign language is as stated in the specification at pages @@.

(xx) All listed references are in the English language.

Respectfully submitted,



Kathleen A. Tyrrell  
Registration No. 38,350

Date: January 20, 2004

Licata & Tyrrell P.C.  
66 E. Main Street  
Marlton, New Jersey 08053

(856) 810-1515

FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
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09/942,498LIST OF PUBLICATIONS CITED BY APPLICANT  
(Use several sheets if necessary)APPLICANT  
Van Eyk, et al.FILING DATE  
August 30, 2001GROUP  
1651

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
1	09/115,589		Van Eyk			July 15, 1998
2	09/419,901		Van Eyk			Oct. 18, 1999
3	6,248,549	June 19, 2001	Van Eyk			June 22, 1998

## FOREIGN PATENT DOCUMENTS

*EXAMINER TRANSLATION INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
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## OTHER PUBLICATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

- 1 Hillis, G.S., Zhao, N., Taggart, P., Dalsey, W.C., Mangione, A. "Utility of cardiac troponin I, creatine kinase-MB<sub>mass</sub>, myosin light chain 1, and myoglobin in the early in-hospital triage of "high risk" patients with chest pain." *Heart* 82 (5): 614-20 (1999)
- 2 Katus, H.A., Diederich, K.W., Hoberg, E., Kubler, W. "Circulating cardiac myosin light chains in patients with angina at rest: identification of a high risk subgroup" *J. Am. Coll. Cardiol.* 11 (3): 487-93 (1988)

Examiner	Date Considered
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\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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## OTHER PUBLICATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

\_\_\_\_ 3 Mair, J., Wagner, I., Jakob, G., Lechleitner, P., Dienstl, F., Puschendorf, B., Michel, G. "Different time courses of cardiac contractile proteins after acute myocardial infarction" *Clin. Chim. Acta* **231**(1):47-60 (1994)

\_\_\_\_ 4 Mair, J., Wagner, I., Fridrich, L., Lechleitner, P., Dienstl, F., Puschendorf, B., Michel, G. "Cardiac myosin light chain-1 release in acute myocardial infarction is associated with scintigraphic estimates of myocardial scar" *Clin. Chim. Acta* **229** (1-2): 153-9 (1994)

\_\_\_\_ 5 Nicol, P.D., Matsueda, G.R., Haber, E., Khaw, B.A. "Synthetic peptide immunogens for the development of a cardiac myosin light chain-1 specific radioimmunoassay" *J. Nucl. Med.* **34** (12): 2144-51 (1993)

\_\_\_\_ 6 Ravkilde, J., Botker, H.E., Sogaard, P., Selmer, J., Rej, R., Jorgensen, P.J., Horder, M., Thygesen, K. "Human ventricular myosin light chain isotype 1 as a marker of myocardial injury" *Cardiology* **84** (2): 135-44 (1994)

\_\_\_\_ 7 Ravkilde, J. "Creatine kinase isoenzyme MB mass, cardiac troponin T, and myosin light chain isotype 1 as serological markers of myocardial injury and their prognostic importance in acute coronary syndrome" *Dan. Med. Bull.* **45**(1): 34-50 (1998)

\_\_\_\_ 8 Ravkilde, J., Nissen, H., Horder, M., Thygesen, K. "Independent prognostic value of serum creatine kinase isoenzyme MB mass, cardiac troponin T and myosin light chain levels in suspected acute myocardial infarction. Analysis of 28 months of follow-up in 196 patients" *J. Am. Coll Cardiol.* **25** (3): 574-81 (1995)

\_\_\_\_ 9 Sato, T., Sasaki, N., O'Rourke, B., Marbán, E. "Adenosine primes the opening of mitochondrial ATP-sensitive potassium channels" *Circulation* **102**: 800-805 (2000)

\_\_\_\_ 10 Sonel, A., Sasseen, B.M., Fineberg, N., Bang, N., Wilensky, R.L. "Prospective study correlating fibrinopeptide A, troponin I, myoglobin, and myosin light chain levels with early and late ischemic events in consecutive patients presenting to the emergency department with chest pain" *Circulation* **102** (10): 1107-13 (2000)

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\_\_\_\_ 11 Wang, J., Shi, Q., Wu, T.W., Jackowski, G., Mickle, D.A.G. "The quantitation of human ventricular myosin light chain 1 in serum after myocardial necrosis and infarction" *Clin. Chim. Acta* **181** (3): 325-36 (1989)

\_\_\_\_ 12 Yamada, T., Matsumori, A., Tamaki, S., Sasayama, S. "Myosin light chain I grade: a simple marker for the severity and prognosis of patients with acute myocardial infarction" *Am. Heart J.* **135** (2 Pt 1): 329-34 (1998)

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